

C L A I M S

What is claimed is:

1. A media server comprising:
 - a. a database to store content data;
 - b. a synchronization application to perform content data synchronization with an external device;
 - c. a content directory service to browse the content data stored in the database and to provide information regarding the content data stored in the database; and
 - d. an interface layer coupled to communicate with the synchronization application and the content directory service to provide update information to the content directory service regarding new content data received by the database from the external device during content data synchronization.
2. The media server of claim 1 wherein the interface layer provides update information to the synchronization application regarding new content added to the database, the new content data to be synchronized with the external device during a next content data synchronization.
3. The media server of claim 1 wherein the external device is a second media server.
4. The media server of claim 1 wherein the external device includes an internet service.
5. The media server of claim 1 wherein the media server is a Universal Plug and Play enabled device and the content directory service is a Universal Plug and Play content directory service.
6. The media server of claim 1 wherein the content data includes media files.
7. The media server of claim 1 wherein the content data includes audio, video, graphic, and text data.

8. A media server comprising:
 - a. a database to store content data;
 - b. a synchronization application to perform content data synchronization with an external device;
 - c. a content directory service to browse the content data stored in the database and to provide information regarding the content data stored in the database; and
 - d. an interface layer coupled to communicate with the synchronization application and the content directory service to provide update information to the synchronization application regarding new content added to the database, wherein the new content data is synchronized with the external device during a next content data synchronization.
9. The media server of claim 8 wherein the interface layer provides update information to the content directory service regarding new content data received by the database from the external device during content data synchronization.
10. The media server of claim 8 wherein the external device is a second media server.
11. The media server of claim 8 wherein the external device includes an internet service.
12. The media server of claim 8 wherein the media server is a Universal Plug and Play enabled device and the content directory service is a Universal Plug and Play content directory service.
13. The media server of claim 8 wherein the content data includes media files.
14. The media server of claim 8 wherein the content data includes audio, video, graphic, and text data.
15. A media server comprising:
 - a. a database to store content data;
 - b. a synchronization application to perform content data synchronization with an external device;

- c. a content directory service to browse the content data stored in the database and to provide information regarding the content data stored in the database; and
 - d. an interface layer coupled to communicate with the synchronization application and the content directory service to provide first update information to the content directory service regarding new content data received by the database from the external device during content data synchronization, and to provide second update information to the synchronization application regarding new content added to the database, wherein the new content data is synchronized with the external device during a next content data synchronization.
16. The media server of claim 15 wherein the external device is a second media server.
17. The media server of claim 15 wherein the external device includes an internet service.
18. The media server of claim 15 wherein the media server is a Universal Plug and Play enabled device and the content directory service is a Universal Plug and Play content directory service.
19. The media server of claim 15 wherein the content data includes media files.
20. The media server of claim 15 wherein the content data includes audio, video, graphic, and text data.
21. A network of devices comprising:
- a. a network device;
 - b. a first media server coupled to the network device, the first media server including:
 - i. a database to store content data;
 - ii. a synchronization application to perform content data synchronization with the network device;
 - iii. a content directory service to browse the content data stored in the database and to provide information regarding the content data stored in the database; and

- iv. an interface layer coupled to communicate with the synchronization application and the content directory service to provide first update information to the content directory service regarding new content data received by the database from the network device during content data synchronization, and to provide second update information to the synchronization application regarding new content added to the database, wherein the new content data is synchronized with the network device during a next content data synchronization.
- 22. The network of devices of claim 21 wherein the network device is a second media server.
 - 23. The network of devices of claim 21 wherein the network device includes an internet service.
 - 24. The network of devices of claim 21 wherein the first media server is a Universal Plug and Play enabled device and the content directory service is a Universal Plug and Play content directory service.
 - 25. The network of devices of claim 21 wherein the content data includes media files.
 - 26. The network of devices of claim 21 wherein the content data includes audio, video, graphic, and text data.
 - 27. A method of synchronizing data between two network devices, the method comprising:
 - a. sending first update information to a content directory service from an interface layer regarding a first new content data received by a first media device from a second media device during content data synchronization performed by a synchronization application; and
 - b. sending second update information to the synchronization application from the interface layer regarding a second new content added to the first media device, wherein the second new content data is synchronized with the second media device during a next content data synchronization.

28. The method of claim 27 wherein the first media server is a Universal Plug and Play enabled device and the content directory service is a Universal Plug and Play content directory service.
29. The media server of claim 27 wherein the content data includes media files.
30. The method of claim 27 wherein content data includes audio, video, graphic, and text data.
31. The method of claim 27 wherein sending the first update information to the content directory service and sending the second update information to the synchronization application are performed automatically.
32. A method of synchronizing data between two network devices, the method comprising:
 - a. performing data synchronization between a first media server and a second media server;
 - b. receiving content data related to the data synchronization on the first media server;
 - c. obtaining update information related to the received content data from a synchronization application on the first media server;
 - d. providing the update information to a content directory service of the first media server; and
 - e. updating the content directory service according to the update information.
33. The method of claim 32 further comprising obtaining additional update information from a database within the first media server, wherein additional update information corresponds to new content data added to the database.
34. The method of claim 33 further comprising providing the additional update information to the synchronization application such that the new content data is synchronized with the second media device during a next data synchronization.

35. The method of claim 32 wherein the first media server is a Universal Plug and Play enabled device and the content directory service is a Universal Plug and Play content directory service.
36. The media server of claim 32 wherein the content data includes media files.
37. The method of claim 32 wherein content data includes audio, video, graphic, and text data.
38. An apparatus for synchronizing data between two network devices, the apparatus comprising:
 - a. means for performing data synchronization between a first media server and a second media server;
 - b. means for receiving content data related to the data synchronization on the first media server;
 - c. means for obtaining update information related to the received content data from a synchronization application on the first media server;
 - d. means for providing the update information to a content directory service of the first media server; and
 - e. means for updating the content directory service according to the update information.